Index of Claims

| Application No.      | Applicant(s)    |
|----------------------|-----------------|
| 09/980,299           | SANDBACH ET AL. |
| Examiner             | Art Unit        |
| Timothy Edwards, Jr. | 2635            |

| / | Rejected | - | (Τ |
|---|----------|---|----|
| = | Allowed  | ÷ |    |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| ı | Interference |

| A | Appeal   |
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| 0 | Objected |

| Cl    | aim      | n Date   |           |          |          |          | 7           | Claim Date |          |           |      |             |          |                | ٦             | Claim Date        |          |          |          |          |         |               |          |          |          |                |  |              |                |          |          |
|-------|----------|----------|-----------|----------|----------|----------|-------------|------------|----------|-----------|------|-------------|----------|----------------|---------------|-------------------|----------|----------|----------|----------|---------|---------------|----------|----------|----------|----------------|--|--------------|----------------|----------|----------|
|       | Г        | H        | _         |          | Τ '      | T        | Ť           | Т-         | Г        | Γ         | 1    |             |          |                |               |                   |          |          | ┨        | Ci       |         |               |          |          |          |                |  |              |                |          |          |
| Final | Original | 9/9/04   |           |          |          |          |             |            |          |           |      | Final       | Original |                |               |                   |          |          |          |          | 1.0     | Final         | Original |          |          |                |  |              |                |          |          |
| 1     | 1        | =        |           |          | Г        |          | Т           |            |          |           | 1    |             | 51       | П              |               | $\top$            |          |          | _        |          | 1       |               | 101      |          | _        | T              | †-   | +-           | H              | <u> </u> | $\vdash$ |
| 11    | 2        | =        |           | Г        | 1        | 1        |             |            |          |           | 1    |             | 52       | H              | 一             | 1                 | $\vdash$ | -        |          | $\vdash$ | 1 1     | -             | 102      |          | +        | ╁╴             | ╁  | ┢            | <del>  -</del> | $\vdash$ | $\vdash$ |
| 13    | 3        | =        |           |          |          | _        |             |            |          |           | 1    |             | 53       | П              |               | ╅                 |          |          | _        |          | 1       |               | 103      |          | _        | t              | +  | +            |                |          |          |
| 14    | 4        | =        |           |          |          |          |             | T          |          |           | 1    |             | 54       |                | $\neg \vdash$ | 1                 | İ        |          | $\neg$   | $\top$   | 1       |               | 104      |          | _        | +-             | T  |              | $\vdash$       | $\vdash$ | H        |
| 2     | 5        | =        |           |          |          | ! -      | <b>—</b>    |            |          |           | 1.   |             | 55       | Ħ              | -             |                   |          |          | $\dashv$ | $\top$   | а.      | -             | 105      |          | +        | ╁              | ╁  | $\vdash$     | ╁              |          | Н        |
| 6     | 6        | =        | T .       |          | <u> </u> |          |             |            | _        |           | 1    |             | 56       | Ħ              | 1             | $\top$            |          |          | $\dashv$ | _        | 1       |               | 106      | -        | _        | +              | ╆  | ╁            |                | $\vdash$ | $\vdash$ |
|       | 7        |          |           |          |          |          |             |            | $\Box$   |           | 1    |             | 57       |                |               | 1                 |          |          | _        |          |         |               | 107      |          |          | +              | 十  | ╁            | m              |          | Н        |
| 7     | 8        | =        |           |          |          | T        |             |            |          |           | 1 :: |             | 58       | Ħ              |               | Ť                 |          | $\dashv$ | _        | $\top$   | 4       |               | 108      | -        | +        | ╅              | ╁  | t            | $\vdash$       | H        | Н        |
| 8     | 9        | =        |           |          |          |          |             |            |          |           | 1.   |             | 59       |                | $\top$        | <b>†</b>          |          | $\dashv$ | $\top$   | $\top$   | 1 1     |               | 109      | +        | _        | +              | ╁╴   | $\vdash$     | Н              | Н        | Н        |
| 9     | 10       | =        |           |          |          |          |             |            |          |           |      |             | 60       |                | $\dashv$      | +-                |          | $\dashv$ | T        | _        | 1 1     | _             | 110      | $\dashv$ | -        | ╁╌             | +  | $\vdash$     | Н              | Н        | Н        |
| 10    | 11       | =        |           |          | Т        | ┪        |             |            |          |           | 1    |             | 61       | $\vdash$       | $\top$        | +                 | Н        | _        |          | +        | 1 1     |               | 111      | -+       | ╁        | 十              | $\vdash$   | $\vdash$     | Н              | $\vdash$ | Н        |
| 19    | 12       | =        |           |          |          | $\vdash$ |             |            |          | _         | 1    |             | 62       | 1              | $\top$        | +-                | П        | t        | +        | _        | 1 1     |               | 112      | $\dashv$ | _        | †-             | †  |              | Н              | $\vdash$ | Н        |
| 20    | 13       | =        |           |          |          |          |             |            |          | _         | 1    |             | 63       | П              |               | _                 | П        | 7        | $\top$   |          |         |               | 113      | $\dashv$ | +        | +-             | ╁  | ┢╌           | Н              | $\vdash$ | $\vdash$ |
| 23    | 14       | =        |           |          |          |          | _           |            |          |           |      |             | 64       | l l            | _             | 1                 | i        | _        | $\top$   | ╅        | 1 1     |               | 114      | 一        | _        | ╁╌             | ┢  |              | Н              | $\dashv$ | Н        |
| 21    | 15       | =        |           |          |          |          |             |            |          |           |      |             | 65       |                | $\top$        | 1                 |          | 寸        | $\top$   | $\top$   | 1 1     |               | 115      | $\dashv$ | $\dashv$ | +-             | $\vdash$   | $\vdash$     | H              |          | Н        |
| 24    | 16       | =        |           |          |          |          |             |            |          |           | 1    |             | 66       |                | 1             |                   | П        |          | $\top$   | $\top$   | 1 1     |               | 116      |          | +        | +              | $\vdash$   | ┢            | Н              | -        | $\vdash$ |
| 22    | 17       | =        | П         |          |          | _        |             |            |          |           |      |             | 67       | $\vdash$       |               | <u> </u>          | H        | 7        | 十        | +        | 1 1     |               | 117      | _        | +        |                | <del>                                     </del> | $\vdash$     | $\vdash$       | $\dashv$ | Н        |
| 15    | 18       | =        | П         |          |          |          |             |            |          |           |      |             | 68       |                | 1             | 1                 |          | 寸        | 十        | _        | 1       |               | 118      | -+       | ╁        | 十              | H  | ┢┈           | $\vdash$       | $\dashv$ | -        |
| 16    | 19       | =        | П         |          |          |          |             | М          |          |           |      |             | 69       | $\vdash$       | _             | +                 | H        | $\dashv$ | $\dashv$ | +        | 1 1     |               | 119      | -+       | +        | ╁              | ╁  | ┝            | $\vdash$       | $\dashv$ | _        |
| 17    | 20       | =        | П         |          |          |          |             | П          |          |           |      |             | 70       | $\Box$         | _             |                   |          | _        | $\dashv$ | +        | 1 1     | -             | 120      | +        | ╁        | ╁              | $\vdash$   | -            | $\vdash$       | -        | $\vdash$ |
| 18    | 21       | =        |           | -        |          |          |             |            |          |           |      |             | 71       |                | $\top$        | +-                | $\vdash$ | $\dashv$ |          | +        | 1       |               | 121      | $\dashv$ | $\dashv$ | ╁              | ╁╾   | $\vdash$     | $\vdash$       | $\dashv$ | $\dashv$ |
| 3     | 22       | =        |           |          |          |          |             |            |          |           |      |             | 72       |                | $\pm$         | +-                | $\vdash$ | $\dashv$ | _        | +        | 1 }     |               | 122      | $\dashv$ |          | ╁              | ┢  |              | -              |          | $\dashv$ |
| 4     | 23       | =        |           |          |          |          |             |            |          |           |      |             | 73       | $\neg \dagger$ | +             | +                 | $\dashv$ | $\dashv$ | +        | +        | l       |               | 123      | $\dashv$ | _        | ┢╌             | -  | <del> </del> | $\dashv$       | $\dashv$ | $\dashv$ |
| 5     | 24       | =        |           |          |          |          |             |            | 寸        |           |      | -           | 74       | o              |               | 1                 |          | 7        | +        | ┰        | 1 1     |               | 124      | -        | +        | ╁              |  | -            | $\dashv$       | $\dashv$ | $\dashv$ |
| 12    | 25       | =        | $\exists$ |          |          |          |             |            | 一        |           |      |             | 75       | $\top$         | $\top$        | +                 | -        | +        | +        | +-       | 1 1     |               | 125      | $\dashv$ |          | +-             | H  | ┝            | $\vdash$       | $\dashv$ | $\dashv$ |
| 25    | 26       | =        |           |          |          |          |             |            |          |           |      |             | 76       | $\vdash$       | +             | +                 | $\neg$   | $\dashv$ | +        | +        |         |               | 126      | -        | +        |                | -  | $\vdash$     | $\vdash$       | $\dashv$ | $\dashv$ |
|       | 27       |          |           |          |          |          |             |            |          |           |      |             | 77       | $\dashv$       |               | +                 | $\dashv$ | $\dashv$ | +        | +-       | 1 1     |               | 127      | $\dashv$ | +        | ┢              |  | -            | $\dashv$       | $\dashv$ | -        |
|       | 28       |          | $\neg$    | ┪        |          |          |             | H          | _        |           | . 4  | $\dashv$    | 78       | -              | +-            | +                 |          | $\dashv$ | +        | +        | -       |               | 128      | $\dashv$ | -        | ┢              |  | -            | $\dashv$       | $\dashv$ | $\dashv$ |
|       | 29       |          | $\exists$ |          |          |          |             | $\vdash$   | 7        |           |      |             | 79       | -              | +             |                   |          | $\dashv$ | +        | +        | 1       | <del></del>   | 129      | -        | $\dashv$ | ├              | -  | $\vdash$     | $\dashv$       | $\dashv$ | $\dashv$ |
|       | 30       |          |           |          |          |          |             | $\Box$     | $\neg$   |           |      |             | 80       |                | $\top$        | +-                |          | $\dashv$ | $\dashv$ | +        | 1       |               | 130      | -        | +        | ├-             | -  |              |                | $\dashv$ | $\dashv$ |
|       | 31       |          |           |          |          |          | H           | $\dashv$   |          |           |      |             | 81       | 一.             | +             | +                 | -        | +        | ┰        | +        | 1       |               | 131      |          | -        | ├              | ┝  | $\vdash$     | -              | $\dashv$ |          |
|       | 32       |          |           |          |          |          | $\neg \neg$ |            | T        |           |      |             | 82       | $\dashv$       | +-            | 1                 |          | _        | $\dashv$ | +        | 1       |               | 132      |          | +-       | ╁              |  | $\vdash$     | $\dashv$       | $\dashv$ |          |
|       | 33       |          |           |          |          | $\Box$   |             | _          | 7        |           |      |             | 83       | _              | $\top$        | ╅┪                |          | $\dashv$ | +        | +-       | ┨       |               | 133      | -        | +-       | ┢              |  | H            | $\dashv$       | ⇥        | $\dashv$ |
|       | 34       |          |           |          |          |          |             |            | $\dashv$ |           | . 1  | $\neg \neg$ | 84       |                | $\top$        | 1                 | $\dashv$ | _        | $\top$   | +        | 1       |               | 134      | -+       | +-       | <del> </del>   | $\vdash$   | Н            |                | $\dashv$ | $\dashv$ |
|       | 35       |          |           |          |          |          |             |            |          | -         |      |             | 85       |                | _             | 1 1               | _        |          | $\top$   | +        |         |               | 135      | +        | ╅        | <del>  -</del> | _  | $\vdash$     | -              | $\dashv$ | $\dashv$ |
|       | 36       |          | $\Box$    | $\neg$   |          |          |             |            |          |           |      |             | 86       |                |               | 1 1               | _        | +        | $\dashv$ | +        | -<br> - | -             | 136      | $\dashv$ |          | -              | -  |              | -              | $\dashv$ | ᅱ        |
|       | 37       |          |           | $\neg$   | $\neg$   |          |             |            |          |           |      |             | 87       | 十              | _             | 1 1               | _        | $\dashv$ | _        | +        | ╽┟      |               | 137      | -        | -        | <del> </del>   |  | Н            | $\dashv$       | -        |          |
|       | 38       |          |           |          |          |          | $\neg$      | $\neg$     | $\dashv$ |           | Ì    |             | 88       | $\top$         | +             | $\dagger \exists$ | +        | _        | +-       | +        |         |               | 138      | +        | +        | $\vdash$       | $\vdash$   | H            | $\dashv$       | $\dashv$ | $\dashv$ |
|       | 39       |          | 1         | $\neg$   | $\neg$   | $\neg$   | $\neg$      |            | $\dashv$ | $\exists$ | ı    |             | 89       | $\dashv$       | +             | +                 | -        | +        | +        | +        |         |               | 139      | +        | +        | -              | $\vdash$   | $\vdash$     | $\dashv$       | $\dashv$ | $\dashv$ |
|       | 40       |          | $\neg$    | 7        | $\dashv$ |          | $\neg$      | $\neg$     | 寸        | ᅥ         | - }  | $\dashv$    | 90       | $\dashv$       | $\top$        | 1-1               | +        | $\dashv$ | +        | +        | [       | $\rightarrow$ | 140      | $\dashv$ | +        | ┢              | $\vdash$   | $\vdash$     | -+             | $\dashv$ | $\dashv$ |
|       | 41       |          | $\dashv$  | _        | 寸        | $\dashv$ | 7           | $\dashv$   | 寸        | $\dashv$  | Ì    |             | 91       | $\dashv$       | $\top$        | +                 | +        | $\dashv$ | +        | +        | -       |               | 141      | +        | +        | -              | Н  | $\vdash$     | -+             | $\dashv$ | $\dashv$ |
|       | 42       | _        | $\dashv$  | $\dashv$ | 寸        | 寸        | $\dashv$    | ᅥ          | $\dashv$ | $\neg$    |      | $\neg +$    | 92       | $\dashv$       | +             | +                 | $\dashv$ | $\dashv$ | +-       | +-       | -       | -             | 142      | +        | +        | $\vdash$       | $\vdash$   | $\vdash$     | $\dashv$       | $\dashv$ | $\dashv$ |
|       | 43       | $\dashv$ | $\dashv$  |          | 7        |          | 1           | +          | $\dashv$ |           | - 1  |             | 93       | $\dashv$       | +-            | +                 | $\dashv$ | +        | +        | +-       |         |               | 143      | +        | +        | $\vdash$       | Н  | -            | $\dashv$       | $\dashv$ | $\dashv$ |
|       | 44       |          | $\dashv$  | $\dashv$ | _        | ı        | $\dashv$    | $\dashv$   | $\dashv$ | $\neg$    | - 1  | _           | 94       | $\dashv$       | +             | +                 | +        | +        | +        | +        |         | +             | 144      | +        | +        | -              | Н  | $\vdash$     | $\dashv$       | $\dashv$ | $\dashv$ |
|       | 45       | $\dashv$ | _         | $\dashv$ |          | $\dashv$ |             | _          | +        | ᅥ         | ŀ    |             | 95       | $\dashv$       | +-            | +                 | $\dashv$ | $\dashv$ | +        | +        |         |               | 145      | +        | +        | ⊢              | $\vdash \vdash$                                  |              | +              | $\dashv$ | $\dashv$ |
|       | 46       | $\neg$   | $\dashv$  | $\dashv$ | +        |          | $\dashv$    | -+         | +        | $\dashv$  | ŀ    | _           | 96       | +              | +-            | +                 | $\dashv$ | +        | +        | +-       | H       |               | 146      | +        | +        | $\vdash$       | $\vdash$   | $\dashv$     | +              | $\dashv$ | $\dashv$ |
|       | 47       | $\dashv$ | $\dashv$  | 7        | 1        | $\neg$   | $\neg$      | $\dashv$   | 1        | ᅱ         | ŀ    | $\neg$      | 97       | +              | +             | +                 | -+       | +        | +        | +        | -       |               | 147      | +        | +        | -              |  | $\dashv$     | $\dashv$       | $\dashv$ | $\dashv$ |
|       | 48       | 寸        | $\dashv$  | 7        | 一        | $\dashv$ | $\dashv$    | $\dashv$   | -        | $\dashv$  | ŀ    | $\dashv$    | 98       | $\dashv$       | +             | ++                | $\dashv$ | +        | +        | +        | -       |               | 148      | +        | +        | <del> </del>   | $\vdash$   | $\dashv$     | $\dashv$       | $\dashv$ | $\dashv$ |
|       | 49       | $\neg$   | 寸         | $\dashv$ | 7        | 一        | -           | $\dashv$   | _        |           | : .  | $\dashv$    | 99       | +              | +-            | +                 | $\dashv$ | +        | +        | +-       |         |               | 149      | $\dashv$ | +-       | $\vdash$       | $\vdash$   | $\dashv$     | $\dashv$       | $\dashv$ | $\dashv$ |
|       | 50       |          | $\dashv$  | $\neg$   | _        | _        | $\dashv$    | $\neg$     | 7        | $\dashv$  | 1    | -+          | 100      | +              | +             | +                 | $\dashv$ | +        | +        | +        |         |               | 150      | +        | +        | -              | $\dashv$   | $\dashv$     | $\dashv$       | $\dashv$ | $\dashv$ |
|       |          | _        | _         |          | 1        |          |             |            |          |           | L    |             |          |                |               | 1 I               | - 1      |          | ſ        | 1 1      |         | - 1           |          | - 1      |          |                |  | - 1          | - 1            | - 1      | - 1      |